

Serial No.: 09/981,337
Docket No.: VAS-5041DIV2
Amendment dated April 8, 2004
Responsive to Office Action of December 11, 2003

Claim Listing

This listing of claims will replace all prior versions, and listings of claims in the application:

5 Claims 1-102. (Canceled)

103. (Currently Amended) An internally stented graft convertible between a compact configuration having a first diameter and an expanded configuration having a second, larger diameter, comprising:

10 at least one stent formed in a generally cylindrical shape having an outer surface and a hollow bore extending longitudinally therethrough, the stent being convertible between a compact configuration having a first diameter and an expanded configuration having a second, larger diameter;

15 a flexible, porous, biocompatible tubular PTFE graft co-axially disposed in contact with and adhered to the outer surface of the stent; and
a polymer coating on the stent to facilitate adherence of the stent to the tubular PTFE graft,
[[~~The internally stented graft of claim 100,~~]] wherein the tubular PTFE graft is formed of a plurality of concentric layers of helically-wound PTFE tape having a width of less than about one inch.

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104. (Previously presented) The internally stented graft of claim 103, wherein there are between about 6-8 revolutions per longitudinal inch of PTFE tape around the stent.

25 105. (Previously presented) The internally stented graft of claim 103, wherein the PTFE tape is helically wound in two directions.